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#30
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Grade 3-4

635

−406

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answer: 229

Grade 3-4

382

− 65

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answer: 317

Grade 3-4

590

−186

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answer: 404

Grade 3-4

503

+229

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answer: 732

Grade 3-4

433

+238

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answer: 671

Grade 3-4

333

+319

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answer: 652

Grade 3-4

1 x 5 =

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answer: 5

Grade 3-4

8 x 2 =

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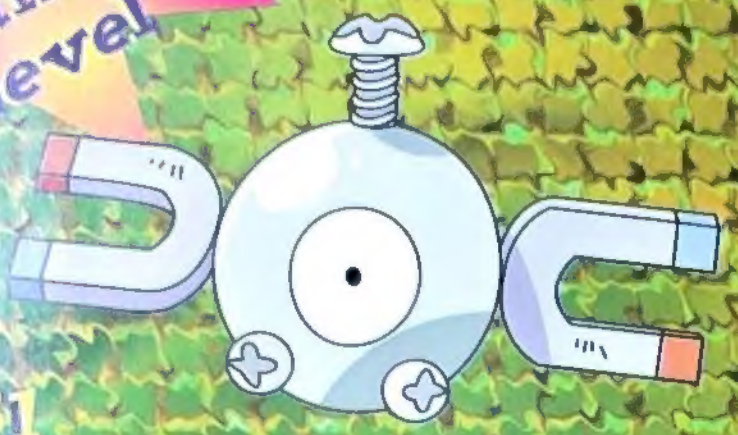
answer: 16

Trainer Level



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#137
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#48
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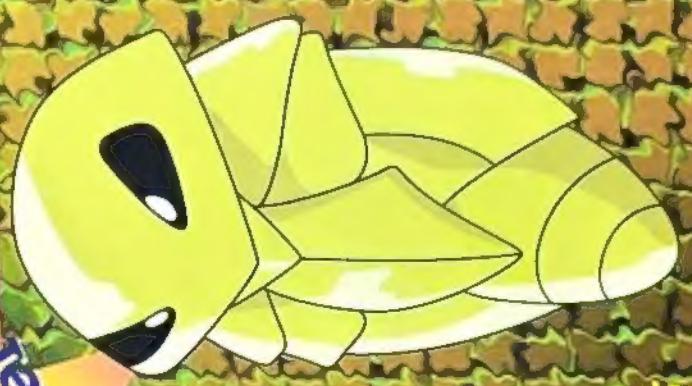
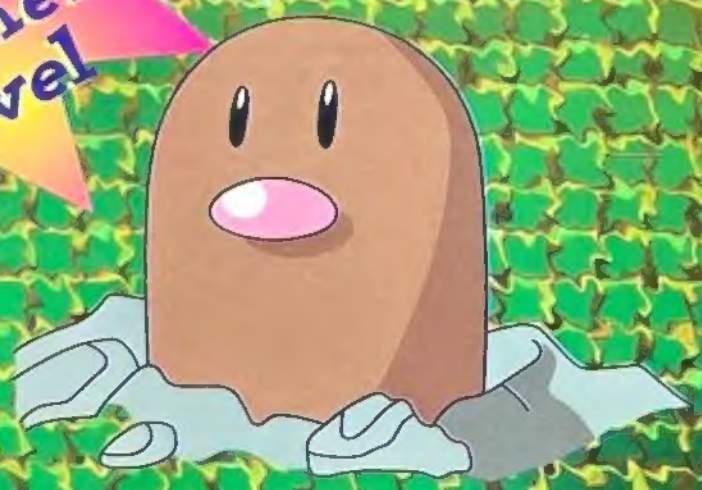


#147
DRATINI™

Trainer Level



#50
DIGLETT™

Trainer Level

#131
LAPRAS™

Trainer Level

#148
DRAGONAIR™

Trainer Level

#118
GOLDEEN™

Grade 3-4

$9 \times 4 =$

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Answer: 36

Grade 3-4

$3 \times 6 =$

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Answer: 18

Grade 3-4

$6 \times 5 =$

© 2000 Nintendo

Answer: 30

Grade 3-4

$0 \times 7 =$

© 2000 Nintendo

Answer: 0

Grade 3-4

$25 \div 5 =$

© 2000 Nintendo

Answer: 5

Grade 3-4

$4 \div 1 =$

© 2000 Nintendo

Answer: 4

Grade 3-4

$5 \div 5 =$

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Answer: 1

Grade 3-4

$32 \div 4 =$

© 2000 Nintendo

Answer: 8

Regrouping with Three Numbers

When you cannot subtract the bottom number from the top number, this is what you must do:

Subtract

$$\begin{array}{r} 354 \\ -\ 136 \\ \hline \end{array}$$

Regroup

hundreds	tens	ones
	4	14
3	5	4
− 1	3	6

Subtract the ones first

hundreds	tens	ones
	4	14
3	5	4
− 1	3	6
		8

Subtract the tens next

hundreds	tens	ones
	4	14
3	5	4
− 1	3	6
	1	8

Subtract the hundreds

hundreds	tens	ones
	4	14
3	5	4
− 1	3	6
2	1	8

Subtract

$$\begin{array}{r} {\scriptstyle 4\,14} \\ 3\cancel{5}\cancel{4} \\ -\ 136 \\ \hline 218 \end{array}$$

Subtract.

A.

$$\begin{array}{r} {\scriptstyle 5\,11} \\ 5\cancel{6}\cancel{1} \\ -\ 247 \\ \hline 314 \end{array}$$

$$\begin{array}{r} 427 \\ -\ 118 \\ \hline \end{array}$$

$$\begin{array}{r} 635 \\ -\ 406 \\ \hline \end{array}$$

$$\begin{array}{r} 274 \\ -\ 138 \\ \hline \end{array}$$

B.

$$\begin{array}{r} 625 \\ -\ 319 \\ \hline \end{array}$$

$$\begin{array}{r} 382 \\ -\ 65 \\ \hline \end{array}$$

$$\begin{array}{r} 460 \\ -\ 132 \\ \hline \end{array}$$

C.

$$\begin{array}{r} 276 \\ -\ 127 \\ \hline \end{array}$$

$$\begin{array}{r} 591 \\ -\ 243 \\ \hline \end{array}$$

$$\begin{array}{r} 283 \\ -\ 125 \\ \hline \end{array}$$

*SKILL: subtracting three-digit numbers with regrouping

More Regrouping

Add

$$\begin{array}{r} 365 \\ +\,427 \\ \hline \end{array}$$

Add the ones

hundreds	tens	ones
	1	
3	6	5
+ 4	2	7
		2

Add the tens

hundreds	tens	ones
	1	
3	6	5
+ 4	2	7
	9	2

Add the hundreds

hundreds	tens	ones
	1	
3	6	5
+ 4	2	7
7	9	2

Add

$$\begin{array}{r} {\scriptstyle 1} \\ 365 \\ +\,427 \\ \hline 792 \end{array}$$

✎ Add.

A.

hundreds	tens	ones
	1	
5	3	2
+	5	9
5	**9**	**1**

hundreds	tens	ones
2	2	4
+ 3	4	7

hundreds	tens	ones
1	0	6
+ 3	7	4

B.

$$\begin{array}{r} 718 \\ +\,128 \\ \hline \end{array} \qquad \begin{array}{r} 503 \\ +\,229 \\ \hline \end{array} \qquad \begin{array}{r} 325 \\ +\,125 \\ \hline \end{array} \qquad \begin{array}{r} 259 \\ +\,107 \\ \hline \end{array}$$

C.

$$\begin{array}{r} 433 \\ +\,238 \\ \hline \end{array} \qquad \begin{array}{r} 902 \\ +\,\,88 \\ \hline \end{array} \qquad \begin{array}{r} 259 \\ +\,106 \\ \hline \end{array} \qquad \begin{array}{r} 267 \\ +\,425 \\ \hline \end{array}$$

*SKILL: adding three-digit numbers with regrouping (carrying)

Add. Regroup.

Remember:
Add the ones first, then add the tens, then the hundreds.

A.

115 + 236	324 + 247	927 + 55	429 + 233	356 + 225

B.

905 + 85	463 + 127	217 + 358	535 + 247	268 + 312

C.

159 + 126	248 + 445	482 + 109	333 + 319	136 + 58

D.

234 + 617	509 + 38	467 + 328	156 + 205	784 + 109

Add. Regroup.

Match your answers to the number under each line. Write the letters from the answer boxes on the lines.

A 354 + 218	**W** 762 + 128	**E** 427 + 343	**G** 514 + 149
H 456 + 218	**L** 527 + 325	**M** 683 + 309	**N** 328 + 163
O 728 + 68	**R** 156 + 319	**I** 946 + 34	**T** 328 + 229

What must you know before trying to train a Growlithe?

M

992 796 475 770 557 674 572 491

557 674 770 663 475 796 890 852 980 557 674 770

*SKILL: using addition to complete a code

A Pokémon Riddle

Regroup. Subtract.

Match your answers to the number under each line. Write the letters from the answer boxes on the lines.

A 596 − 107	**L** 661 − 34	**E** 540 − 201	**F** 656 − 338
I 590 − 186	**K** 383 − 135	**T** 185 − 76	**B** 452 − 233
R 681 − 442	**T** 620 − 211	**B** 860 − 531	**Y** 274 − 39

Why was the Water Pokémon in a bad mood?

404	409		318	339	627	109		489				
627	404	109	409	627	339		248	239	489	219	329	235

!

*SKILL: using subtraction to complete a code

Regroup. Subtract the ones.
Subtract the tens.
Then subtract the hundreds.

A.

211 63~~1~~ − 519 **112**	453 − 228	632 − 316	524 − 107

B.

960 − 728	545 − 319	674 − 569	587 − 148

C.

892 − 375	296 − 168	963 − 118	571 − 139

D.

733 − 626	626 − 107	335 − 217	462 − 143

*SKILL: subtracting three-digit numbers with regrouping

More or Less?

Help Oddish evolve into Gloom.
Write any 3-digit number.

example: 352

START HERE

hundreds tens ones

What number is 10 less?

___ ___ ___

What number is 100 more?

___ ___ ___

What number is 100 more?

___ ___ ___

What number is 10 more?

___ ___ ___

What number is 100 less?

___ ___ ___

What number is 100 less?

___ ___ ___

What number is 10 less?

___ ___ ___

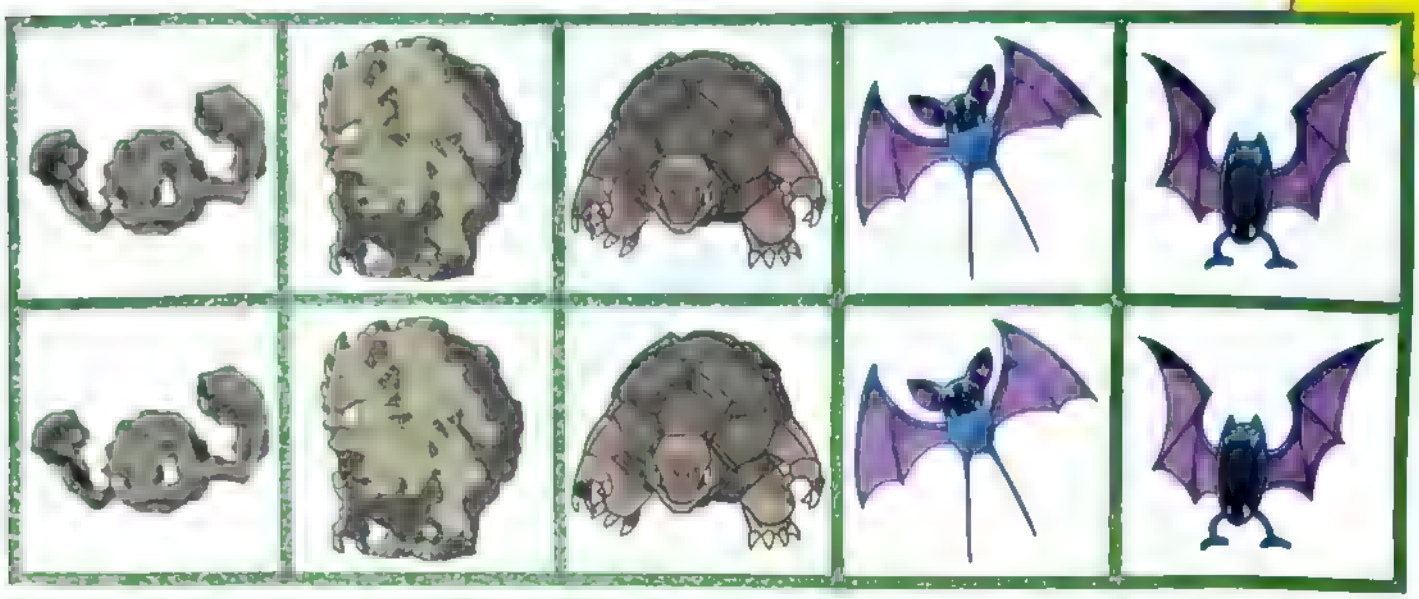
What number is 10 more?

___

Did you end with the number you started with?

Number Sentences

Brock counted the Pokémon he saw in the tunnel.



2 4 6 8 10

Count the Poké Balls by twos. Write your answers.

1. 1 2 3 ___ 3 twos is 6

2. ___ ___ ___ ___ ___ ___ ___ ___ twos is ___

3. ___ ___ ___ ___ ___ twos is ___

4. ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ twos is ___

5. ___ ___ ___ ___ ___ ___ twos is ___

*SKILL: writing number sentences with two

Counting By Threes

It takes 3 Diglett to make a Dugtrio. How many does it take to make 9 Dugtrio?

3 6 9 12 15 18 21 24 27

Count by three.

1.

2.

3.

Fill in the blanks.

4. 3, ____, ____, 12

5. 9, ____, ____, 18

6. 15, ____, ____, 24

7. 18, ____, ____, 27

Count by threes and connect the dots to find a path through Diglett's Cave.

Start

3	11	17	5	15	16	19	28	26
7	5	9	20	17	18	25	20	28
25	6	14	16	19	20	17	24	29
31	4	8	12	22	13	21	23	25
22	16	13	10	29	23	26	17	27

*SKILL: counting by threes

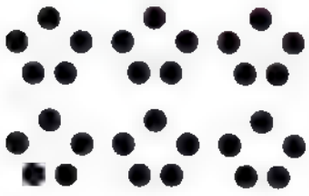
Multiplying By Five

Misty multiplied by **five** to find how many arms the 3 Staryu had in all.

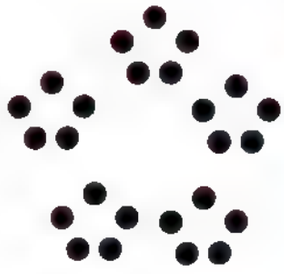
3 Fives Is 15.

3	Times	5	Equals	15
3	x	5	=	15

Multiply to find how many.

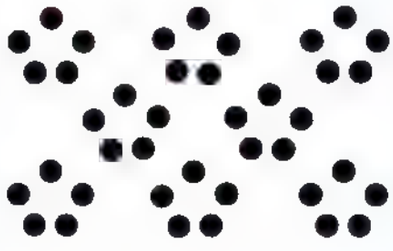


1. 6 x 5 = 30



2. ___ x 5 = ___

3. ___ x 5 = ___



4. ___ x 5 = ___

5. 1 x 5 =

6. 2 x 2 =

7. 6 x 2 =

8. 9 x 5 =

9. 4 x 5 =

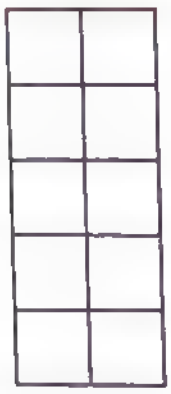
10. 8 x 2 =

11. 7 x 5 =

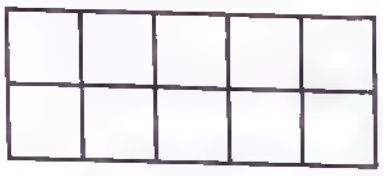
12. 9 x 2 =

Change the Order

Ash saw that



and also that



2 x 5 = 10

5 x 2 = 10

Changing the order in multiplication does not change the answer.

✎ Multiply.
Circle your answers below to help Ash find a way through the Viridian Forest.

1. 5 x 3 = 15
   3 x 5 = ____
2. 6 x 2 = 12
   2 x 6 = ____
3. 4 x 5 = 20
   5 x 4 = ____
4. 9 x 3 = ____
5. 2 x 8 = ____
6. 5 x 7 = ____
7. 3 x 4 = ____
8. 9 x 5 = ____
9. 3 x 6 = ____
10. 9 x 4 = ____
11. 3 x 9 = ____
12. 2 x 7 = ____

Start

16	15	23	48	18	22	40
33	12	20	27	37	36	27
28	42	39	16	24	18	14
56	18	21	35	12	45	33

Finish

*SKILL: changing the order in multiplication

Practice

Multiply. Use your answers to solve the riddle.

6 x 3 = ___	8 x 5 = ___	6 x 7 = ___
C	Y	L
3 x 9 = ___		4 x 3 = ___
E		V
3 x 5 = ___		2 x 8 = ___
R		A
7 x 2 = ___		5 x 6 = ___
F		U

Zubat live in dark caves and have sharp fangs.
How do you wake up a Zubat?

12	27	15	40	18	16	15	27	14	30	42	42	40	!

*SKILL: using multiplication to solve a code

Multiplying By Zero

Ash wanted to capture a Dratini, but all 3 that he found were asleep. How many Dratini are awake? The answer to any number times zero is zero.

3 Zeros			=	0
3	x	0	=	0
0	x	3	=	0

✎ Multiply. Color the boxes with answers less than 10 to find a path to the Dratini that's awake.

1. 5 x 0 = ____	2. 1 x 9 ____	3. 6 x 2 = ____
4. 2 x 8 = ____	5. 0 x 7 ____	6. 9 x 3 = ____
7. 4 x 0 = ____	8. 2 x 3 ____	9. 7 x 5 = ____
10. 8 x 1 = ____	11. 5 x 6 ____	12. 3 x 3 = ____
13. 0 x 6 = ____	14. 4 x 2 ____	15. 0 x 0 = ____

*SKILL: multiplying by zero

Multiplying By Four

Brock saw 4 Ponyta at a Pokémon race.
Brock multiplied by **four** to find out how many legs thay had in all.

4 Fours Are 16
4 Times 4 Equals 16
4 x 4 = 16

Multiply to find how many.

1. ___ x 4 = ___

2. ___ x 4 = ___

3. ___ x 4 = ___

4. 3 x 4 = ___

5. 8 x 2 = ___

6. 5 x 4 = ___

7. 4 x 0 = ___

8. 3 x 7 = ___

9. 9 x 4 = ___

10. 6 x 5 = ___

11. 1 x 4 = ___

Vertical Multiplication

The numbers to multiply are called factors.
The answer is called the product.

9	x	2	=	18
factor		**factor**		**product**

Here's another way to show multiplication!

9 → **factor**
x 2 → **factor**
18 → **product**

Rewrite each problem in vertical form.
Then find the product.

1. 3 x 5 = 15

```
  3
x 5
---
 15
```

2. 6 x 4 = ____

3. 3 x 7 = ____

4. 9 x 2 = ____

Multiply.

5.
```
  2
x 8
---
```

6.
```
  5
x 1
---
```

7.
```
  6
x 3
---
```

8.
```
  9
x 4
---
```

9.
```
  7
x 2
---
```

10.
```
  8
x 0
---
```

Practice

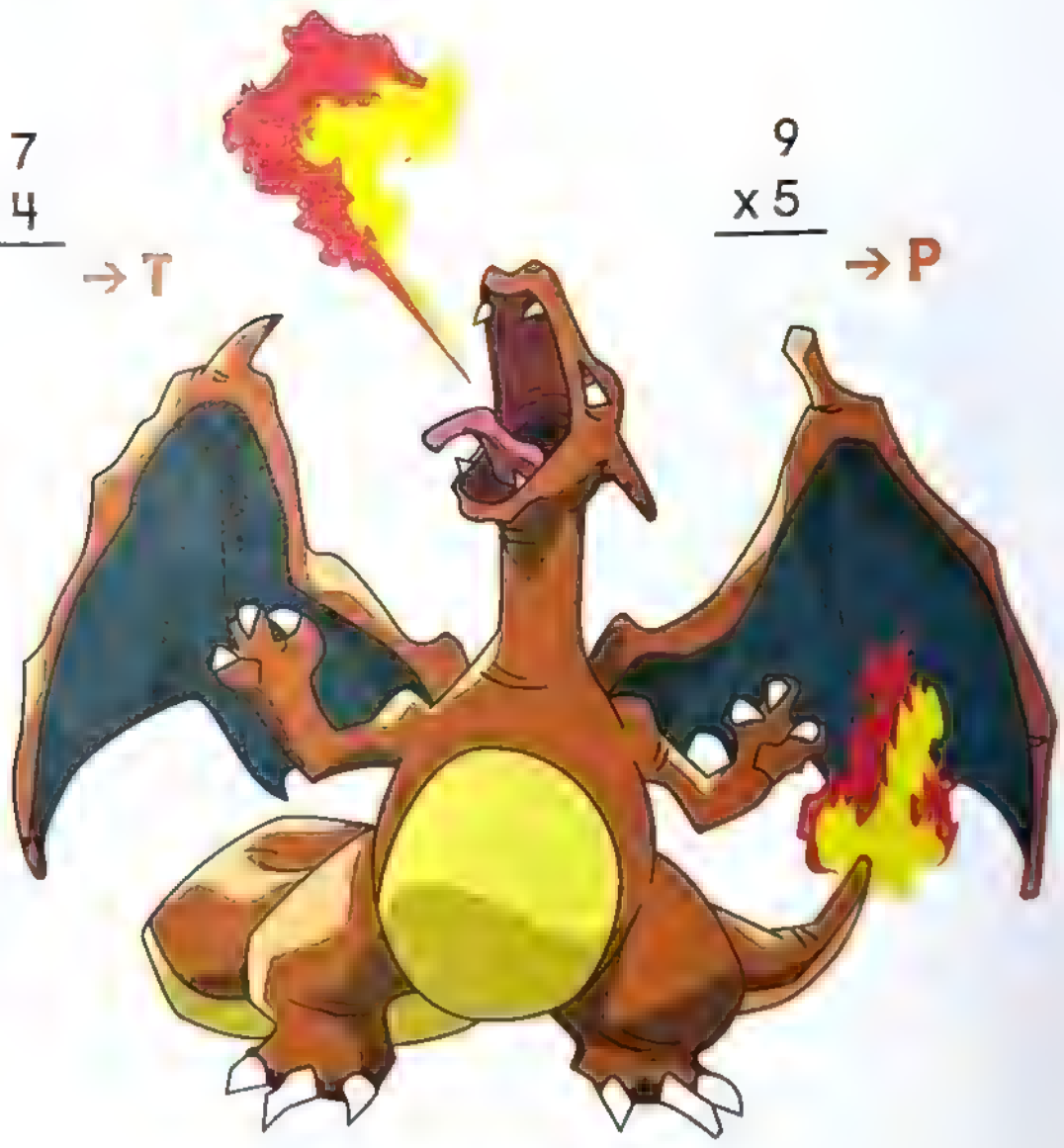
Multiply. Use your answers to solve the riddle.

$$\begin{array}{r} 3 \\ \times\, 5 \\ \hline 15 \end{array} \rightarrow \mathbf{G} \qquad \begin{array}{r} 7 \\ \times\, 2 \\ \hline \end{array} \rightarrow \mathbf{A} \qquad \begin{array}{r} 6 \\ \times\, 4 \\ \hline \end{array} \rightarrow \mathbf{L} \qquad \begin{array}{r} 8 \\ \times\, 0 \\ \hline \end{array} \rightarrow \mathbf{U}$$

$$\begin{array}{r} 4 \\ \times\, 1 \\ \hline \end{array} \rightarrow \mathbf{I} \qquad \begin{array}{r} 8 \\ \times\, 5 \\ \hline \end{array} \rightarrow \mathbf{E} \qquad \begin{array}{r} 2 \\ \times\, 6 \\ \hline \end{array} \rightarrow \mathbf{S} \qquad \begin{array}{r} 5 \\ \times\, 7 \\ \hline \end{array} \rightarrow \mathbf{D}$$

$$\begin{array}{r} 6 \\ \times\, 3 \\ \hline \end{array} \rightarrow \mathbf{R} \qquad \begin{array}{r} 7 \\ \times\, 4 \\ \hline \end{array} \rightarrow \mathbf{T} \qquad \begin{array}{r} 9 \\ \times\, 5 \\ \hline \end{array} \rightarrow \mathbf{P}$$

$$\begin{array}{r} 8 \\ \times\, 1 \\ \hline \end{array} \rightarrow \mathbf{F}$$



How does Charizard get ready for battle?

4	28		15	40	28	12		14	24	24				
8	4	18	40	35		0	45	!						

*SKILL: using basic multiplication to solve a code

Missing Factors

Find the missing factor.

1. ___ x 3 = 9

2. 4 x ___ = 28

3. ___ x 5 = 30

4. 2 x ___ = 16

5. ___ x 3 = 15

6. ___ x 4 = 36

7.
$$\begin{array}{r} 3 \\ \times ___ \\ \hline 6 \end{array}$$

8.
$$\begin{array}{r} ___ \\ \times \quad 4 \\ \hline 32 \end{array}$$

9.
$$\begin{array}{r} 1 \\ \times ___ \\ \hline 9 \end{array}$$

10.
$$\begin{array}{r} ___ \\ \times \quad 5 \\ \hline 25 \end{array}$$

11.
$$\begin{array}{r} 2 \\ \times ___ \\ \hline 18 \end{array}$$

12.
$$\begin{array}{r} ___ \\ \times \quad 3 \\ \hline 21 \end{array}$$

13. 3 x 4 = ___

14. 9 x 5 = ___

15. 3 x 6 = ___

Practice

Write the missing factor. Use your answers to solve the riddle.

$\frac{4}{E} \times 6 = 24$

$5 \times \frac{\quad}{D} = 0$

$9 \times \frac{\quad}{I} = 9$

$\frac{\quad}{A} \times 7 = 21$

$$\begin{array}{r} \quad\quad H \\ \times\ 5 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 2 \\ \times\ \quad R \\ \hline 18 \end{array}$$

$$\begin{array}{r} 7 \\ \times\ \quad S \\ \hline 35 \end{array}$$

$$\begin{array}{r} \quad\quad N \\ \times\ 8 \\ \hline 48 \end{array}$$

$6 \times \frac{\quad}{K} = 12$

What game do Ghost Pokémon love to play?

8	1	0	4		3	6	0		5	8	9	1	4	2	!

*SKILL: finding missing factors

Division

Division is just the reverse of multiplication. The groups of Pokémon can show multiplication or division.

There are
15 Pokémon in all.

Each group has
5 Pokémon.

Division asks the question:
How many groups of 5
Pokémon in 15?

Since $5 \times 3 = 15$, then $5 \overline{)15}$ $\quad 3$ $\quad 15 \div 5 = 3$

Divide to find the answer.

1. $12 \div 3 =$ ____
2. $25 \div 5 =$ ____
3. $6 \div 1 =$ ____
4. $14 \div 2 =$ ____
5. $36 \div 4 =$ ____
6. $9 \div 3 =$ ____
7. $5 \div 5 =$ ____
8. $4 \div 1 =$ ____
9. $10 \div 2 =$ ____
10. $8 \div 4 =$ ____
11. $24 \div 3 =$ ____
12. $30 \div 5 =$ ____

*SKILL: dividing by one, two, three, four, five

Practice

Multiply. Then draw a line to mark the trail of your answers. Help Ash and Pikachu find their way through the winding halls of Pokémon Mansion.

1. $\begin{array}{r} 4 \\ \times\ 9 \\ \hline 36 \end{array}$

2. $\begin{array}{r} 6 \\ \times\ 5 \\ \hline \end{array}$

3. $\begin{array}{r} 9 \\ \times\ 3 \\ \hline \end{array}$

4. $\begin{array}{r} 2 \\ \times\ 7 \\ \hline \end{array}$

5. $\begin{array}{r} 8 \\ \times\ 0 \\ \hline \end{array}$

6. $\begin{array}{r} 9 \\ \times\ 9 \\ \hline \end{array}$

7. $\begin{array}{r} 1 \\ \times\ 4 \\ \hline \end{array}$

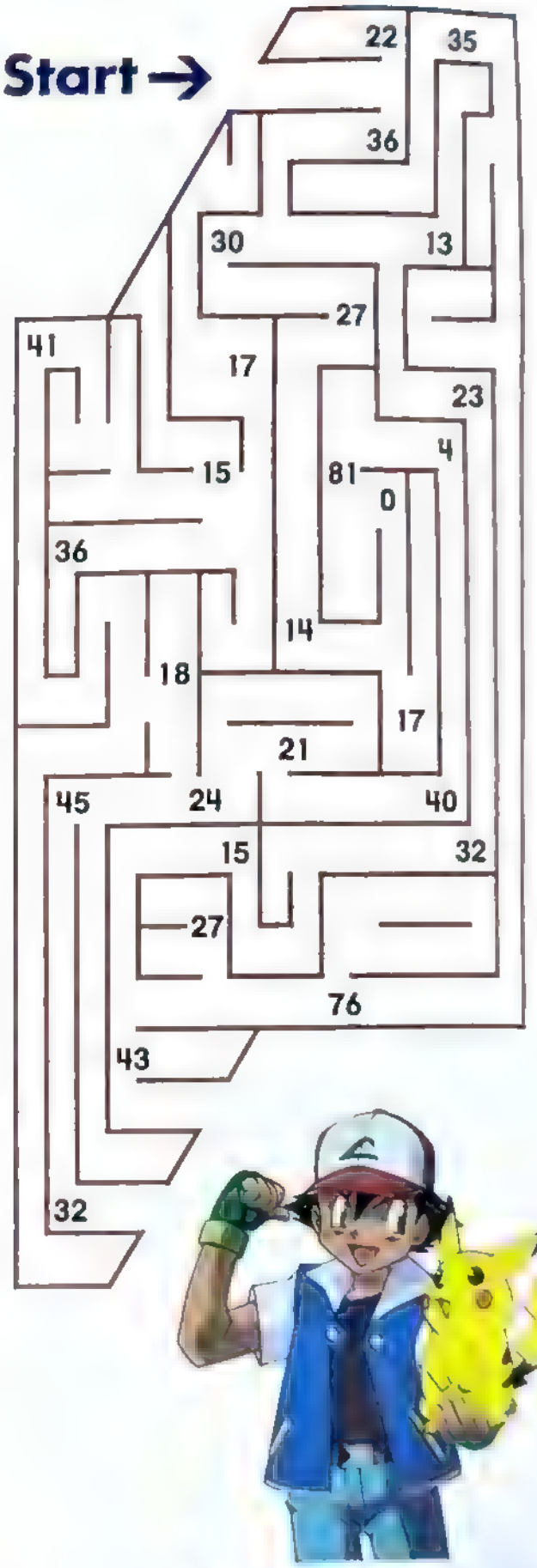
8. $\begin{array}{r} 5 \\ \times\ 8 \\ \hline \end{array}$

9. $\begin{array}{r} 7 \\ \times\ 3 \\ \hline \end{array}$

10. $\begin{array}{r} 6 \\ \times\ 4 \\ \hline \end{array}$

11. $\begin{array}{r} 9 \\ \times\ 5 \\ \hline \end{array}$

12. $\begin{array}{r} 4 \\ \times\ 8 \\ \hline \end{array}$



They Made It!

*SKILL: multiplying to solve a maze

Even and Odd Products

Misty saw a pattern when she multiplied. Can you find it?

Multiply. Then tell whether the factors and product are even or odd. Use **O** for odd and **E** for even.

1.	3 x 4 = **12**	**O**	x	**E**	=	**E**
2.	7 x 5 = **35**	___	x	___	=	___
3.	6 x 2 = ___	___	x	___	=	___
4.	3 x 9 = ___	___	x	___	=	___
5.	1 x 8 = ___	___	x	___	=	___
6.	4 x 6 = ___	___	x	___	=	___

The pattern is:

ODD times EVEN equals EVEN
EVEN times ODD equals EVEN
ODD times ODD equals ODD
EVEN times EVEN equals EVEN

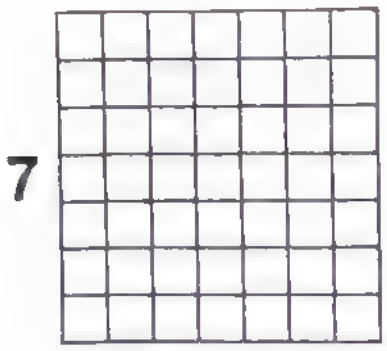
Use the pattern. Tell whether each answer is even or odd **without** multiplying.

7.	4 x 5 = **E**	8.	6 x 3 = ___
9.	9 x 5 = ___	10.	6 x 6 = ___
11.	6 x 8 = ___	12.	9 x 7 = ___
13.	7 x 6 = ___	14.	7 x 7 = ___

*SKILL: multiplying odd and even numbers

Multiplying By Seven and Eight

Use what you know to learn the sevens and eights.

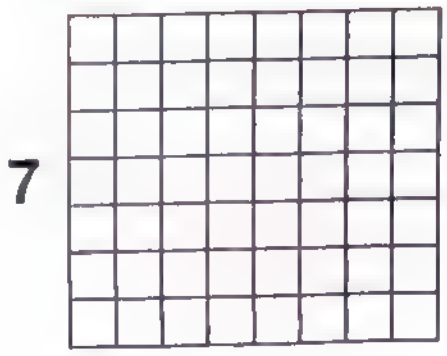


6 + 1

7 x 6 = 42, so

7 x 7 = 42 + 7

7 x 7 = 49

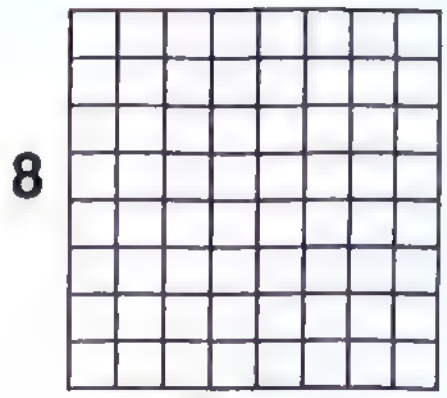


7 + 1

7 x 7 = 49, so

7 x 8 = 49 + 7

7 x 8 = 56



7 + 1

7 x 8 = 56, so

8 x 8 = 56 + 8

8 x 8 = 64

Practice.

1. 9 x 7 = ____

2. 3 x 8 = ____

3. 6 x 9 = ____

4. 7 x 1 = ____

5. 5 x 8 = ____

6. 4 x 7 = ____

7. 9 x 0 = ____

8. 6 x 3 = ____

9. 8 x 7 = ____

10. 3 x 9 = ____

*SKILL: multiplying by seven and eight

Practice

Divide. Use your answers to solve the riddle.

$6 \div 2 = \underline{3}$ **Y**

$27 \div 3 = \underline{\quad}$ **O**

$32 \div 4 = \underline{\quad}$ **E**

$36 \div 9 = \underline{\quad}$ **R**

$15 \div 3 = \underline{\quad}$ **T**

$35 \div 5 = \underline{\quad}$ **L**

$18 \div 9 = \underline{\quad}$ **S**

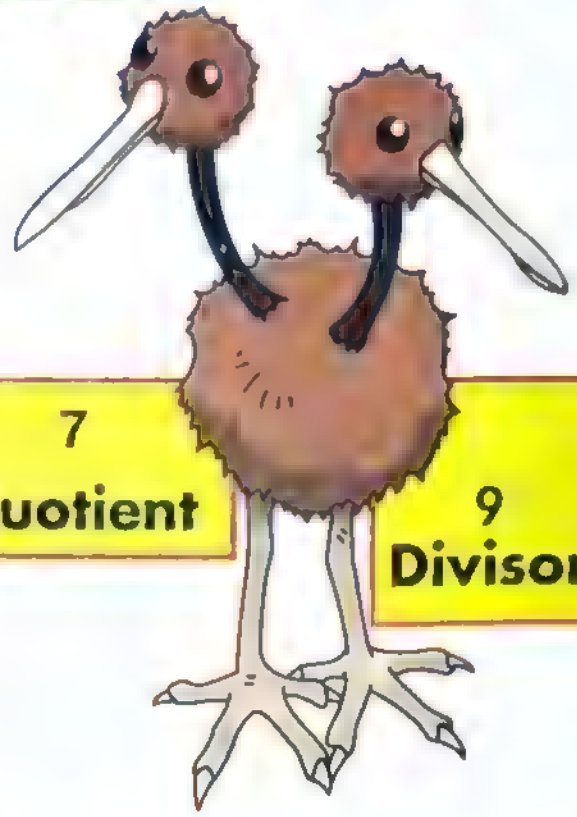
$24 \div 4 = \underline{\quad}$ **C**

What is the evolved form of Shellder?

6	7	9	3	2	5	8	4

Another Way to Show Division

Here are two ways to show division.



63	÷	9	=	7
Dividend		**Divisor**		**Quotient**

$$9 \overline{)\,63}$$

7 **Quotient**

Dividend

Divisor

Rewrite each division problem the other way and solve.

1.	$10 \div 2 = 5$	$2 \overline{)\,10}$
3.	$35 \div 5 =$	
5.	$4 \div 1 =$	
7.	$3 \overline{)\,15}$	$15 \div 3 = 5$
9.	$4 \overline{)\,28}$	
11.	$3 \overline{)\,27}$	

2.	$18 \div 3 =$	
4.	$36 \div 4 =$	
6.	$24 \div 3 =$	
8.	$2 \overline{)\,16}$	
10.	$5 \overline{)\,20}$	
12.	$1 \overline{)\,5}$	

Dividing By Six, Seven, and Eight

Nurse Joy takes care of injured Pokémon in the Pokémon Center. Today there are 56 Pokémon in the center. There are 8 Pokémon in a room. How many rooms are being used?

56	**÷**	**8**	**=**	**?**
7	**x**	**8**	**=**	**56, so**
56	**÷**	**8**	**=**	**7**

There are 7 rooms filled with Pokémon.

Divide.

1. ? x 7 = **42**, so

   42 ÷ 7 = ____

2. ? x 6 = **30**, so

   30 ÷ 6 = ____

3. ? x 8 = **72**, so

   72 ÷ 8 = ____

4. ? x 7 = **21**, so

   21 ÷ 7 = ____

5. $6\overline{)48}$

6. $8\overline{)56}$

7. $7\overline{)35}$

8. $7\overline{)63}$

9. $6\overline{)24}$

10. $8\overline{)64}$

Multiplying Tens with Two Steps

Step 1:
Multiply the ones.

$$\begin{array}{r} 20 \\ \times\ 3 \\ \hline 0 \end{array} \qquad 3 \times 0 = 0$$

Step 2:
Multiply the tens.

$$\begin{array}{r} 20 \\ \times\ 3 \\ \hline 60 \end{array} \qquad 3 \times 2 = 6$$

Multiply. Use the two steps.

1. $\begin{array}{r} 30 \\ \times\ 4 \\ \hline 0 \end{array}$ $\begin{array}{r} 30 \\ \times\ 4 \\ \hline 120 \end{array}$

2. $\begin{array}{r} 50 \\ \times\ 1 \\ \hline \end{array}$ $\begin{array}{r} 50 \\ \times\ 1 \\ \hline \end{array}$

3. $\begin{array}{r} 40 \\ \times\ 6 \\ \hline \end{array}$ $\begin{array}{r} 40 \\ \times\ 6 \\ \hline \end{array}$

4. $\begin{array}{r} 20 \\ \times\ 9 \\ \hline \end{array}$ $\begin{array}{r} 20 \\ \times\ 9 \\ \hline \end{array}$

Multiply. Write both steps together.

5. $\begin{array}{r} 60 \\ \times\ 5 \\ \hline \end{array}$

6. $\begin{array}{r} 10 \\ \times\ 8 \\ \hline \end{array}$

7. $\begin{array}{r} 70 \\ \times\ 3 \\ \hline \end{array}$

8. $\begin{array}{r} 30 \\ \times\ 4 \\ \hline \end{array}$

9. $\begin{array}{r} 40 \\ \times\ 6 \\ \hline \end{array}$

10. $\begin{array}{r} 90 \\ \times\ 3 \\ \hline \end{array}$

*SKILL: multiplying by ten

Multiply Tens and Ones

Jigglypuff loves to sing. But if you listen to its song, you will fall asleep.

Quick! Multiply. Find and circle your answers in the number search before Jigglypuff starts to sing.

1. 42 × 3 = 126

2. 21 × 5 =

3. 91 × 7 =

4. 94 × 2 =

5. 82 × 4 =

6. 53 × 2 =

7. 83 × 3 =

8. 91 × 9 =

9. 73 × 3 =

10. 61 × 9 =

11. 43 × 3 =

12. 71 × 7 =

13. 71 × 6 =

14. 62 × 4 =

15. 80 × 8 =

1	2	6	1	1	0	5	4	2	6
0	1	3	2	8	2	4	9	4	4
6	9	7	9	8	1	9	7	8	0

*SKILL: multiplying two digits

Use Three Steps

Take a tip from Exeggutor, the three-headed Pokémon. Use three steps to multiply hundreds, tens, and ones.

Step 1:	Step 2:	Step 3:
534 x 2 8	534 x 2 68	534 x 2 1068
Multiply the ones.	Multiply the tens.	Multiply the hundreds.

Multiply.

1. 412
   x 2
   824

2. 723
   x 3

3. 912
   x 4

4. 611
   x 5

5. 843
   x 2

6. 621
   x 4

7. 333
   x 3

8. 624
   x 2

9. 821
   x 4

10. 709
    x 1

11. 510
    x 5

12. 923
    x 3

Regroup the Ones

When you multiply tens and ones you may have to regroup.

$$\begin{array}{r} {\scriptstyle 1} \\ 94 \\ \times\ 3 \\ \hline 282 \end{array}$$

Multiply the ones. 3 x 4 = 12. Write the 2 in the answer. Put the 1 above the tens place. Multiply the tens and add the 1. 3 x 9 = 27; 27 + 1 = 28.

Multiply. Use your answers to solve the riddle.

$$\begin{array}{r} 46 \\ \times\ 2 \\ \hline 92 \end{array} \rightarrow \mathbf{D} \qquad \begin{array}{r} 34 \\ \times\ 3 \\ \hline \end{array} \rightarrow \mathbf{O} \qquad \begin{array}{r} 43 \\ \times\ 5 \\ \hline \end{array} \rightarrow \mathbf{A} \qquad \begin{array}{r} 53 \\ \times\ 6 \\ \hline \end{array} \rightarrow \mathbf{H}$$

$$\begin{array}{r} 35 \\ \times\ 8 \\ \hline \end{array} \rightarrow \mathbf{E} \qquad \begin{array}{r} 65 \\ \times\ 7 \\ \hline \end{array} \rightarrow \mathbf{L} \qquad \begin{array}{r} 58 \\ \times\ 3 \\ \hline \end{array} \rightarrow \mathbf{N} \qquad \begin{array}{r} 82 \\ \times\ 5 \\ \hline \end{array} \rightarrow \mathbf{U}$$

$$\begin{array}{r} 94 \\ \times\ 8 \\ \hline \end{array} \rightarrow \mathbf{T} \qquad \begin{array}{r} 77 \\ \times\ 6 \\ \hline \end{array} \rightarrow \mathbf{G} \qquad \begin{array}{r} 22 \\ \times\ 9 \\ \hline \end{array} \rightarrow \mathbf{S}$$

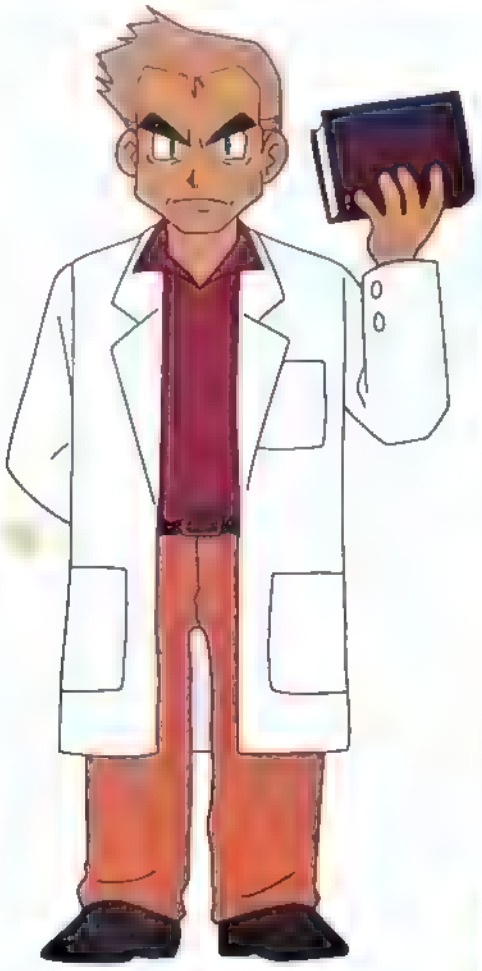
What is Grimer's favorite dessert?

215	318	102	752	198	455	410	92	462	280

198	410	174	92	215	280

Practice

Professor Oak says practice makes perfect!
Multiply. Use your answers in the cross number puzzle.



ACROSS:

3. 815 x 6 = 4890

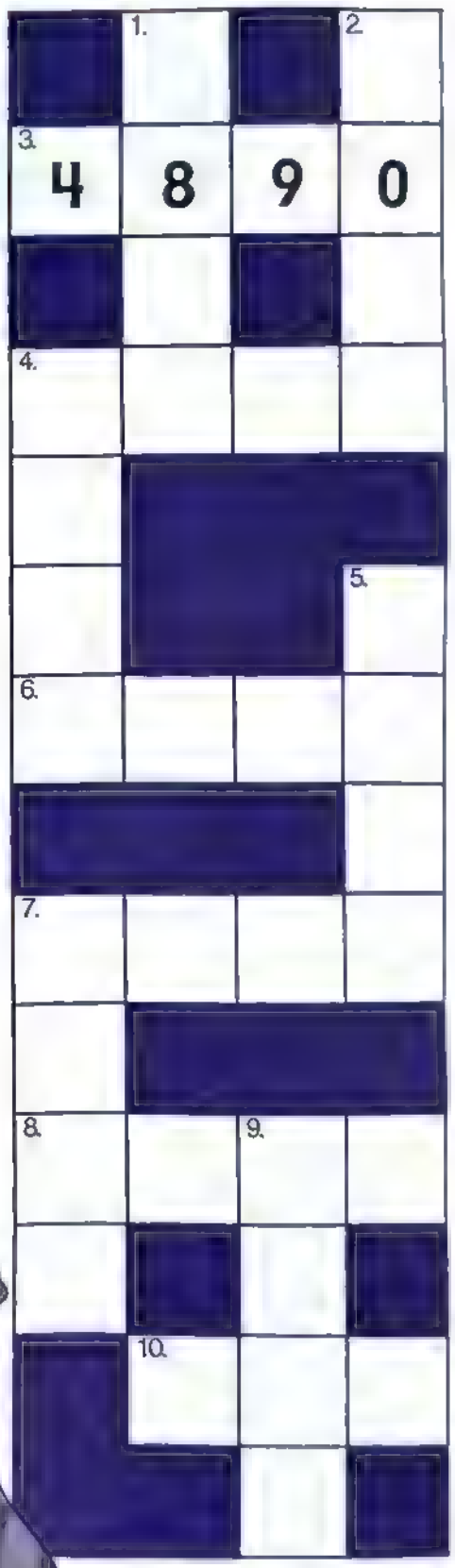
4. 308 x 7 = _____

6. 618 x 4 = _____

7. 319 x 4 = _____

8. 802 x 7 = _____

10. 108 x 5 = _____



DOWN:

1. 627 x 3 = _____

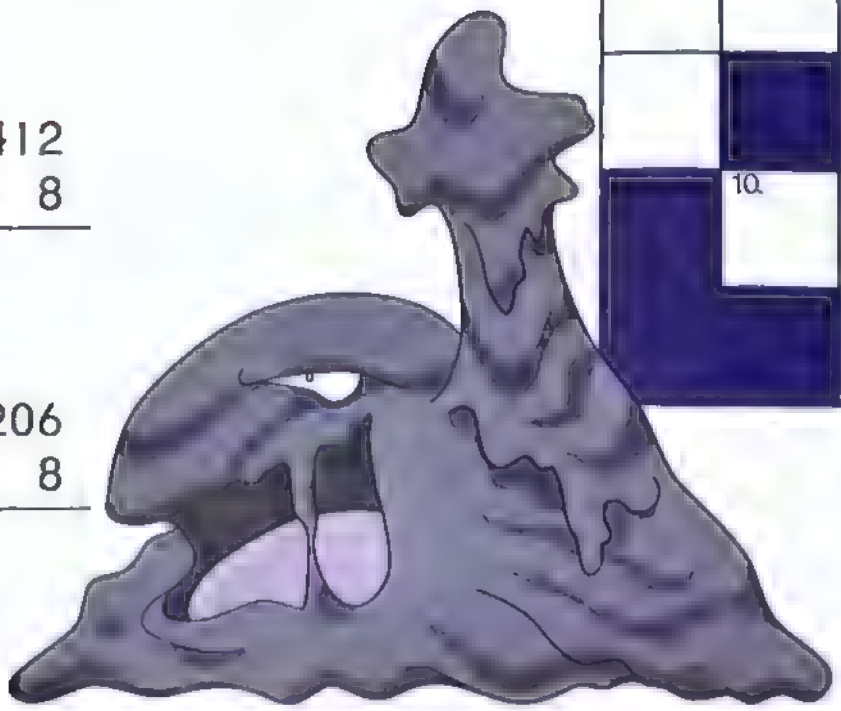
2. 538 x 2 = _____

4. 924 x 3 = _____

5. 412 x 8 = _____

7. 627 x 2 = _____

9. 206 x 8 = _____



*SKILL: multiplying three-digit numbers with regrouping

Answers

Page 1
A. 314, 309, 229, 136
B. 306, 317, 328
C. 149, 348, 158

Page 2
A. 591, 571, 480
B. 846, 732, 450, 366
C. 671, 990, 365, 692

Page 3
A. 351, 571, 982, 662, 581
B. 990, 590, 575, 782, 580
C. 285, 693, 591, 652, 194
D. 851, 547, 795, 361, 893

Page 4
A — 572, W — 890, E — 770, G — 663
H — 674, L — 852, M — 992, N — 491
O — 796, R — 475, I — 980, T — 557
Answer: More than the Growlithe

Page 5
A — 489, L — 627, E — 339, F — 318
I — 404, K — 248, T — 109, B — 219
R — 239, T — 409, B — 329, Y — 235
Answer: It felt a little Krabby

Page 6
A. 112, 225, 316, 417
B. 232, 226, 105, 439
C. 517, 128, 845, 432
D. 107, 519, 118, 319

Page 7
Example: 352
342
442
542
552
452
352
342
352

Page 8
1. 3-6
2. 7-14
3. 4-8
4. 9-18
5. 6-12

Page 9
1. 15
2. 9
3. 27
4. 6, 9
5. 12, 15
6. 18, 21
7. 21, 24
Path: 3, 6, 9, 12, 15, 18, 21, 24, 27

Page 10
1. 6, 30
2. 5, 25
3. 2, 10
4. 8, 40
5. 5
6. 4
7. 12
8. 45
9. 20
10. 16
11. 35
12. 18

Page 11
1. 15
2. 12
3. 20
4. 27
5. 16
6. 35
7. 12
8. 45
9. 18
10. 36
11. 27
12. 14

Page 12
C — 18
E — 27
R — 15
F — 14
Y — 40
V — 12
A — 16
U — 30
L — 42

Answer:
Very carefully

Page 13
1. 0
2. 9
3. 12
4. 16
5. 0
6. 27
7. 0
8. 6
9. 35
10. 8
11. 30
12. 9
13. 0
14. 8
15. 0

Page 14
1. 2, 8
2. 5, 20
3. 8, 32
4. 12
5. 16
6. 20
7. 0
8. 21
9. 36
10. 30
11. 4

Page 15
1. 3 × 5 = 15
2. 6 × 4 = 24
3. 3 × 7 = 21
4. 9 × 2 = 18
5. 16
6. 5
7. 18
8. 36
9. 14
10. 0

Answers

Page 16

G — 15
A — 14
L — 24
U — 0
I — 4

E — 40
S — 12
D — 35
R — 18
T — 28

F — 8
P — 45

Answer: It gets all fired up!

Page 17

1.	3	5.	5	9.	9	13.	12
2.	7	6.	9	10.	5	14.	45
3.	6	7.	2	11.	9	15.	18
4.	8	8.	8	12.	7		

Page 18

E — 4
D — 0
I — 1
A — 3

H — 8
R — 9
S — 5
N — 6

K — 2

Answer: Hide and Shriek!

Page 19

1.	4	5.	9	9.	5
2.	5	6.	3	10.	2
3.	6	7.	1	11.	8
4.	7	8.	4	12.	6

Page 20

1.	36	5.	0	9.	21
2.	30	6.	81	10.	24
3.	27	7.	4	11.	45
4.	14	8.	40	12.	32

Page 21

1.	12;	O	x	E	=	E
2.	35;	O	x	O	=	O
3.	12;	E	x	E	=	E
4.	27;	O	x	O	=	O
5.	8;	O	x	E	=	E
6.	24;	E	x	E	=	E
7.	E					
8.	E					
9.	O					
10.	E					
11.	E					
12.	O					
13.	E					
14.	O					

Page 22

1.	63	5.	40	9.	56
2.	24	6.	28	10.	27
3.	54	7.	0		
4.	7	8.	18		

Page 23

Y — 3
O — 9
E — 8
R — 4

T — 5
L — 7
S — 2
C — 6

Answer: Cloyster

Page 24

1.	5	5.	4	9.	7
2.	6	6.	8	10.	4
3.	7	7.	5	11.	9
4.	9	8.	8	12.	5

Page 25

1.	6	5.	8	9.	4
2.	5	6.	7	10.	8
3.	9	7.	5		
4.	3	8.	9		

Page 26

1.	120	5.	300	9.	240
2.	50	6.	80	10.	270
3.	240	7.	210		
4.	180	8.	120		

Page 27

1.	126	6.	106	11.	129
2.	105	7.	249	12.	497
3.	637	8.	819	13.	426
4.	188	9.	219	14.	248
5.	328	10.	549	15.	640

Page 28

1.	824	5.	1686	9.	3284
2.	2169	6.	2484	10.	709
3.	3648	7.	999	11.	2550
4.	3055	8.	1248	12.	2769

Page 29

D — 92
O — 102
A — 215
H — 318
E — 280

L — 455
N — 174
U — 410
T — 752
G — 462

S — 198

Answer: A hot sludge sundae

Page 30

Across:		Down:	
3.	4890	1.	1881
4.	2156	2.	1076
6.	2472	4.	2772
7.	1276	5.	3296
8.	5614	7.	1254
10.	540	9.	1648

Grade 3-4

$$\begin{array}{r} 20 \\ \times\ 9 \\ \hline \end{array}$$

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Answer: 180

Grade 3-4

$$\begin{array}{r} 60 \\ \times\ 5 \\ \hline \end{array}$$

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Answer: 300

Grade 3-4

$$\begin{array}{r} 90 \\ \times\ 4 \\ \hline \end{array}$$

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Answer: 360

Grade 3-4

$$\begin{array}{r} 53 \\ \times\ 2 \\ \hline \end{array}$$

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Answer: 106

Grade 3-4

$$\begin{array}{r} 83 \\ \times\ 3 \\ \hline \end{array}$$

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Answer: 249

Grade 3-4

$$\begin{array}{r} 912 \\ \times\ 4 \\ \hline \end{array}$$

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Answer: 3,648

Grade 3-4

$$\begin{array}{r} 510 \\ \times\ 5 \\ \hline \end{array}$$

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Answer: 2,550

Grade 3-4

$$\begin{array}{r} 923 \\ \times\ 3 \\ \hline \end{array}$$

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Answer: 2,769

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Master Level
#28
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Master Level
#49
VENOMOTH

Master Level
#101
ELECTRODE

Master Level
#112
RHYDON

Master Level
#114
TANGELA

Master Level
#146
MOLTRES

Master Level
#123
SCYTHER

Grade 3-4

$$\begin{array}{r} 611 \\ \times \quad 5 \\ \hline \end{array}$$

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answer: 3,055

Grade 3-4

$$\begin{array}{r} 35 \\ \times \quad 8 \\ \hline \end{array}$$

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answer: 280

Grade 3-4

$$\begin{array}{r} 26 \\ \times \quad 7 \\ \hline \end{array}$$

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answer: 182

Grade 3-4

$$\begin{array}{r} 75 \\ \times \quad 3 \\ \hline \end{array}$$

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answer: 225

Grade 3-4

$$\begin{array}{r} 44 \\ \times \quad 9 \\ \hline \end{array}$$

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answer: 396

Grade 3-4

$$\begin{array}{r} 108 \\ \times \quad 5 \\ \hline \end{array}$$

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answer: 540

Grade 3-4

$$\begin{array}{r} 924 \\ \times \quad 3 \\ \hline \end{array}$$

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answer: 2,772

Grade 3-4

$$\begin{array}{r} 724 \\ \times \quad 4 \\ \hline \end{array}$$

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answer: 2,896

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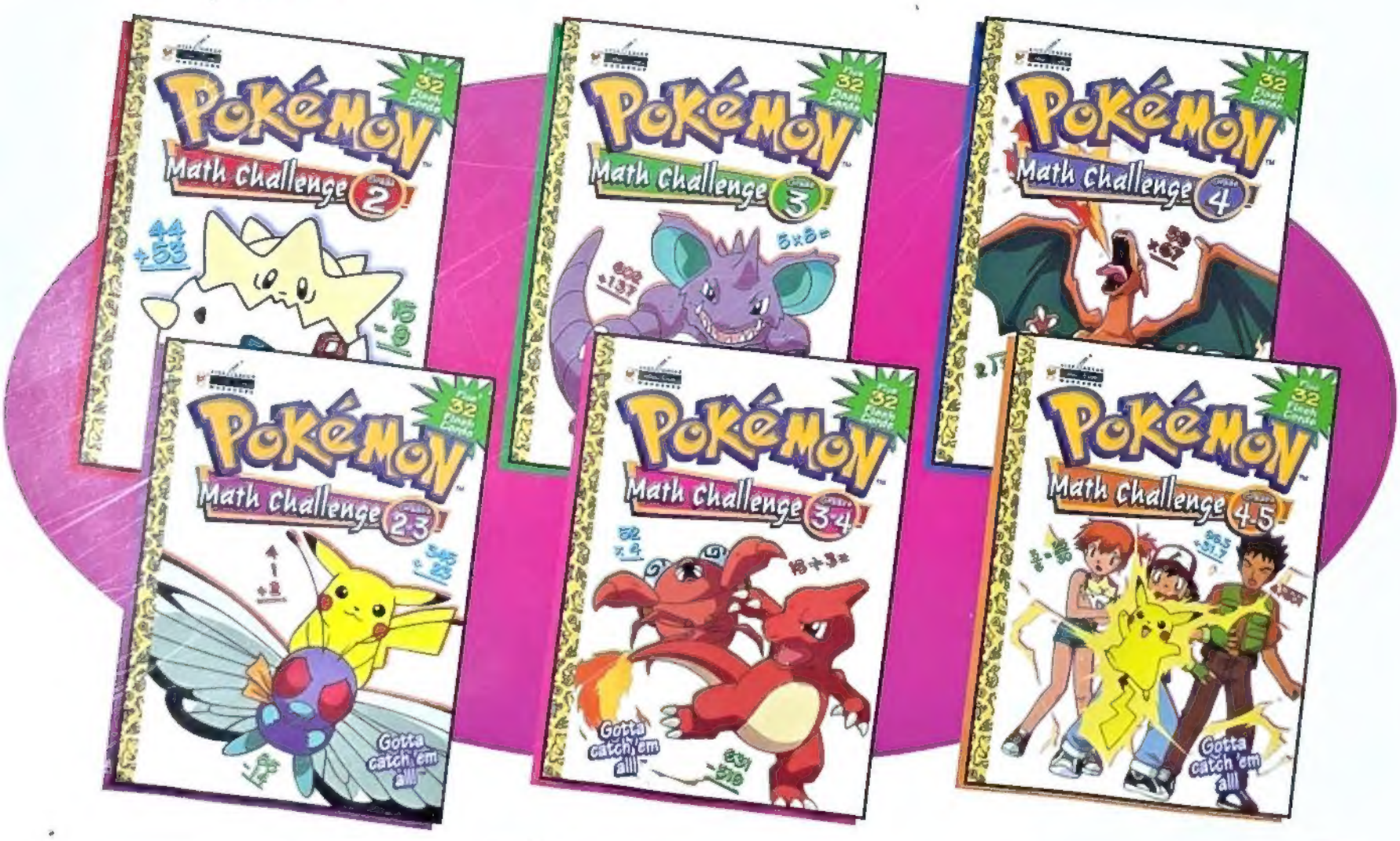

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